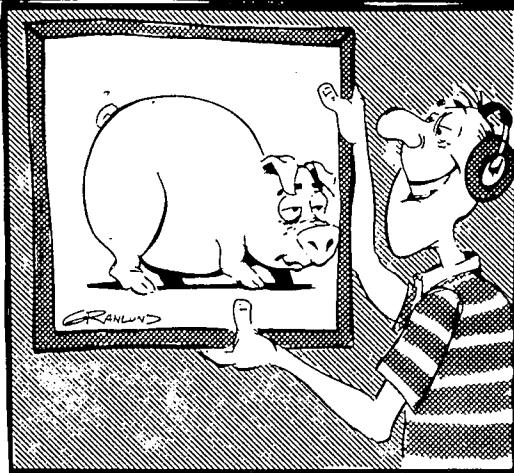


JAN. 1979

The FRAMINGHAM

FRAMINGHAM AMATEUR
RADIO ASSOCIATION
NEWSLETTER



PRESIDENT - LEW NYMAN - K1AZE	879-7456
V. PRESIDENT - JIM BOATES - WA1UEH	653-6398
SECRETARY - RON EGALKA - K1YHM	877-4520
TREASURER - HOW DAVIS - WA1VFJ	655-4720

THE ASSOCIATION CALLSIGN - W1FY

THE FRAMINGHAM AMATEUR RADIO ASSOCIATION MEETS
THE FIRST THURSDAY OF THE MONTH AT 7:30 P.M.
AT THE FRAMINGHAM CENTER LIBRARY. ALL AMATEURS
AND PERSONS INTERESTED IN AMATEUR RADIO ARE
INVITED TO ATTEND.

EDITOR - JIM BOATES - WA1UEH	653-6398
17 BRAEMORE ROAD, NATICK MA. 01760	

THE NEXT MEETING OF THE FRAMINGHAM AMATEUR RADIO ASSOCIATION WILL BE HELD AT THE FRAMINGHAM CENTER LIBRARY, THURSDAY NIGHT, FEBRUARY 1ST. AT 7:30 PM. TOPICS UNDER DISCUSSION WILL INCLUDE, THE UPCOMING FLEA MARKET, FIELD DAY PLANS, TENTATIVE PLANS FOR A MESSAGE CENTER TO SEND MOTHERS DAY MESSAGES. ENZO WA1PYF WILL PRESENT A SHORT SLIDE PROGRAM ON THE HEIMLICH MANUEVER. SEE YOU AT THE MEETING, A BUSY CLUB IS A HAPPY CLUB.

**** PRESIDENTIAL CHATTER ****

THOSE OF YOU WHO HAVE BEEN ATTENDING OUR CLUB MEETINGS KNOW WHAT YOUR CLUB HAS BEEN DOING LATELY. I HOPE THAT THOSE OF YOU WHO HAVE BEEN UNABLE TO ATTEND MEETINGS DUE TO OTHER COMMITMENTS ARE READING THE MONTHLY NEWSLETTER TO FIND OUT WHAT'S GOING ON IN YOUR CLUB.

IF YOU HAVE 2 METER CAPABILITY YOU CAN GET UP-TO-THE MINUTE INFO FROM ANY ONE OF THE MANY CLUB MEMBERS WHO ARE ACTIVE ON THE REPEATERS. THE FRAMINGHAM REPEATER (147.15 - .15) IS FREQUENTLY MONITORED BY MYSELF K1AZE JIM WA1UEH - CLUB V.P. AND NEWS EDITOR, MAC WA1IGL - COORDINATOR OF FAAREN, SKIP WA1QDY, HOWARD WA1VFJ - CLUB TREASURER, MARTY WA1WHU, JON K1VVC, AND A FEW OTHER CLUB MEMBERS.

IF YOU HEAR ANY OF US, BREAK IN AND SAY HELLO. IF YOU DON'T HEAR US, GIVE US A CALL. ONE OF US IS PROBABLY LISTENING. REMEMBER WHAT YOUR HOBBY IS ALL ABOUT, COMMUNICATING. SO, COMMUNICATE WITH US AND GIVE US YOUR IDEAS AS TO HOW WE CAN IMPROVE OUR CLUB. WE'RE ALWAYS LOOKING FOR SUGGESTIONS.

LEW NYMAN - PRESIDENT - FRAMINGHAM AMATEUR RADIO ASSOCIATION - K1AZE

THE ANNUAL BANQUET OF THE ASSOCIATION WAS WELL ATTENDED. 63 MEMBERS AND GUESTS ENJOYED THE MEAL DESPITE THE WEATHER CONDITIONS. THE BANQUET COST THE CLUB TREASURY \$157.50 BUT JUDGING BY THE HAPPY SMILES OF CONTENTMENT ON THE FACES OF THE DINERS, IT WAS MONEY WELL SPENT. IT WAS GOOD TO SEE MANY OLD AND NEW FRIENDS ENJOYING THE GOOD FOOD AND GOOD COMPANY. IF YOU MISSED IT, YOU MISSED A GRAND TIME. WE ALSO ARE GLAD TO SEE MANY OF THE YL'S AND XYL'S TAKING A GREATER INTEREST IN THE ASSOCIATION AND ATTENDING OUR REGULAR MEETINGS. WE NEED THEIR INPUT TO MAKE OUR ASSOCIATION A MORE ROUNDED AND Viable UNIT.

THIS MONTH THE FRAMINGHAM INTRODUCES A NEW COLUMN, EDITED BY JOHN MAC LEOD, WA1IGL, THE EMERGENCY COORDINATOR FOR FRAMINGHAM. THIS COLUMN WILL BE A MONTHLY FEATURE TO KEEP YOU AWARE OF THE CONTINUING EFFORTS OF HAM RADIO TO BE OF SERVICE TO THE LOCAL COMMUNITY.

***** EMERGENCY COORDINATORS REPORT *****

THE INITIAL 1979 MEETING OF THE FRAMINGHAM AREA AMATEUR RADIO EMERGENCY NET, (F.A.A.R.E.N.) WAS HELD ON SUNDAY JANUARY 14. SIXTEEN LOCAL AMATEURS ATTENDED THE DISCUSSION ON MESSAGE FORMAT. ITEMS COVERED WERE PREAMBLE, ADDRESSEE, TEXT COUNT, SIGNATURE, HANDLING INSTRUCTION AND "ARRL" CODED ABBREVIATION. ALL OF WHICH CAN BE FOUND IN THE REAR OF ALL "ARRL LOG BOOKS. I FEEL IT IS IMPORTANT TO BE AWARE OF THIS FACET OF COMMUNICATIONS SHOULD ANY OF US DESIRE TO BE INVOLVED IN A SITUATION ON ANY BAND. WHAT WOULD YOU DO IF YOU HEARD CQ, CQ, BOSTON, MEDICAL TRAFFIC? I HOPE YOU COULD RESPOND WITH EASE KNOWING ACCEPTED FORMATS. CONTACT JOHN "MAC" LEOD IF YOU HAVE EVEN THE SLIGHTEST INTEREST.

THE "FAAREN" ORGANIZATION IS NOT JUST THE FRAMINGHAM AMATEUR RADIO ASSOCIATION, OR THE FRAMINGHAM REPEATER ASSOCIATION. FRAMINGHAM AREA AMATEURS WHO MIGHT AVAIL THEMSELVES AS COMMUNICATORS WHEN AMATEUR RADIO SERVICE COULD BE UTILIZED ARE INVITED TO ATTEND ANY OR ALL OF THE SESSIONS. SPECIAL SESSIONS ARE SCHEDULED TO MEET YOUR SCHEDULE. JUST CALL.

YOU WILL NOT BE REQUIRED TO PARTICIPATE IN ANY NET OR EMERGENCY SITUATION UNLESS YOU DESIRE. HOPEFULLY, IF YOU DO, THESE SESSIONS WILL HELP YOU ENJOY AND HAVE CONFIDENCE IN YOURSELF. I FEEL ALL AMATEURS SHOULD BE ACQUAINTED WITH MESSAGE HANDLING, AS MANY OF US ARE WITH MORSE CODE, DX'G, F.M., RTTY ETC. THE MORE WE GET ACQUAINTED WITH OUR HOBBY THE MORE INTERESTING THE QSO'S!!

WHAT SAY HW ABT GET'G HAM RADIO MORE ACTIVE IN PUBLIC SERVICE? USE THOSE RIGS THAT HAVE NOT BEEN FIRED UP. LETS HAVE SOME FUN AT PARADES, SPORTS EVENTS. LETS FEEL GUD WE HELPED SOMEONE, SUCH AS THE MEDICAL TRAFFIC MENTIONED EARLIER, COORDINATE AN EFFORT LOOKING FOR A LOST PERSON, COMMUNICATORS FOR OUT OF TOWN HELP SENT TO AID IN A SITUATION, ETC.

MANY OF US BY OUR NATURE WANT TO BE PART OF THE ACTION OR AT LEAST WANT TO ASSIST IN A SITUATION. WHY BE FRUSTRATED BECAUSE NO ONE CALLED YOU? YOU HAD THE RIG HOT AND READY, RIGHT? HOW DID "MAC" WA1IGL, YOU E.C. KNOW YOU WERE INTERESTED? WHY BE FRUSTRATED BECAUSE YOU SHOWED UP BUT WERE NO USED TO YOUR CAPABILITIES? WAS IT DUE TO THE E.C. AND "FAAREN" WERE NOT AWARE OF YOUR CAPABILITIES? EVERYONE WILL BE BETTER UTILIZED IF WE ARE ALL AWARE OF THE GAME PLAN AND BE ABLE TO COORDINATE UNKNOWN CAPABILITIES.

THE "FAAREN" MONTHLY SESSIONS ARE JUST THAT, GAME PLAN SESSIONS BEING RUN OFTEN SO EACH INTERESTED PARTY WILL BE ABLE TO SOMEHOW FIT INTO HIS OR HER SCHEDULE. WE MUST KNOW THE RULES, (MESSAGE FORMAT, NET DISCIPLINE, NET CONTROL, ETC). HOW TO SCORE AND NOT LOSE TIME IN THE PENALTY BOX.

THE NEXT "FAAREN" SESSION IS TENTATIVELY SCHEDULED FOR SUNDAY, FEBRUARY 11TH. AT THE QTH OF "MAC" WA1IGL, 339R CENTRAL STREET, FRAMINGHAM, MA. THE TELEPHONE NUMBER FOR FURTHER INFORMATION ON "FAAREN" IS 877-2717. NEXT MONTHS TOPIC WILL BE, FOLLOW UP ON MESSAGE FORMAT AND START ON NET DISCIPLINE...

THE OFFICERS AND MEMBERS OF THE FRAMINGHAM AMATEUR RADIO ASSOCIATION EXTEND OUR DEEPEST SYMPATHY TO JIM ROBBINS, K1JR ON THE RECENT PASSING OF HIS BELOVED FATHER. JIM LEFT HIS CHILDREN AT THEIR MATERNAL GRANDPARENTS HOME WHILE THEY ATTENDED THE FUNERAL SERVICES FOR HIS FATHER. WHILE THE CHILDREN WERE THERE, THE HOUSE BURNED TO THE GROUND. JIM'S SEVEN YEAR OLD SON WAS THE FIRST ONE TO NOTICE THE SMOKE AND ALL WERE EVACUATED SAFELY. THE HOUSE INCLUDING MANY IRREPLACABLE ANTIQUES WAS TOTALLY DESTROYED.

THERE IS SOME GOOD NEWS, A SON, MATHEW, WAS BORN TO RON EGALKA, K1YHM AND HIS XYL JOANNE, WHO IS ALSO A HAM. MATHEW THEIR FIRST CHILD WAS BORN AT THE FRAMINGHAM UNION HOSPITAL ON JANUARY 13TH. MATHEW WEIGHED IN AT 6LBS. 11 $\frac{1}{2}$ OZ. I ASKED THE BIRDS TO SING FOR YOU A VERY SPECIAL SONG. I ASKED THE SUN TO SHINE FOR YOU; I ASKED THE BREEZE TO BLOW GOOD LUCK AND HAPPINESS YOUR WAY. SO LIFE WOULD BE GOOD TO YOU EVERY SINGLE DAY...

THE C.P.R. COURSES WERE COMPLETED BY MANY ASSOCIATION MEMBERS AND FRIENDS. THE ASSOCIATION OWES A DEBT OF GRATITUDE TO BOB CHIN, WB1FHT FOR HIS PATIENCE AND SKILL IN TEACHING THIS COURSE, AND HIS COOPERATION IN SCHEDULING MAKE-UP CLASSES AND TESTS FOR THOSE WHO COULD NOT MAKE EVERY MEETING. IF YOU DID NOT GET CERTIFIED THE ONLY ONE TO BLAME IS YOURSELF. BOB WAS ABLY ASSISTED BY DAVID DEYOE, A MEMBER OF THE RED CROSS DISASTER TEAM. DAVE ALTHOUGH ONLY 20 YEARS OLD HAS AN IMPRESSIVE BACKGROUND IN PUBLIC SAFETY SERVICES, HE IS A QUALIFIED FIRST AID AND WATER SAFETY INSTRUCTOR AS WELL AS A QUALIFIED C.P.R. INSTRUCTOR. MAYBE WE CAN PREVAIL UPON BOB TO HOLD YEARLY SESSIONS TO TEACH THIS WORTH WHILE COURSE.

**** SOCIAL EVENTS ****

FEB 10 N.H. INTERSTATE REPEATER ASSOCIATION AUCTION - MANCHESTER ARMORY MANCHESTER, N.H. AMOSKEAG BRIDGE EXIT OFF I 93- RAIN/ BLIZZARD/ SHINE - TALK-IN 25/85. FOOD AVAILABLE, 10 AM. TILL 5.....

FEB 24 MA. ALGONQUIN AMATEUR RADIO CLUB FLEA MARKET - ST. MARY FUNCTION HALL, BROAD ST. MARLBORO, MA. I 495 TO ROUTE 20 EAST TO BROAD ST. ** LOCATION MAY CHANGE** TALK-IN 01/61 + 52 DIRECT, FOOD AVAILABLE. SETUP 9 -10 OPEN 10 - 4. MORE INFO VIA CHARLIE W1BK 617-562-5622....

APR. 1 MA. FRAMINGHAM AMATEUR RADIO ASSOCIATION - ELECTRONICS FLEA MZRKET REAR OF FRAMINGHAM POLICE STATION, SETUP 9 TO 10AM. OPEN 10AM. TALK-IN 52 DIRECT + 15/75. FOOD AVAILABLE. \$5 FOR TABLES IN ADVANCE, IF ANY TABLES ARE AVAILABLE AT THE DOOR THEY WILL BE \$7.50. MORE INFO VIA P.O. BOX 3005 FRAMINGHAM, MA. 01701....

APR. 7 MA. WELLESLEY AMATEUR RADIO CLUB AUCTION, CHECK-IN 10 AM, AUCTION STARTS AT 11 AM. WELLESLEY HIGH SCHOOL, 50 RICE ST. WELLESLEY MA. TALK-IN 96/36, 04/64, 63/03 + 52 DIRECT....

APR. 22 CT. P.V.R.A. 2ND FLEA-MARKET AND AUCTION, 10 AM TO 5 PM. NEWINGTON HIGH SCHOOL, NEWINGTON, CT. FURTHER INFO VIA ARNIE K1NFE 203 - 589-3333....

APR. 27 MA. CENTRAL MASS RADIO CLUB AUCTION- 7 PM. AMERICAN LEGION POST 1024 MAIN ST. WORCESTER MA.

HOSSTRADERS SWAP-NET	SUNDAY 4 - 6 PM.	3940 KHZ
MT. ASCUTNEY SWAP-NET	SUNDAY 7 PM.	16/76
DERRY N.H. SWAP-NET	TUESDAY 9 PM.	28/85

FCC EXAM SUGGESTIONS OR QUESTIONS SHOULD NO LONGER GO TO BOB KITE, CITED IN A RECENT ASSOCIATION BULLETIN BUT WHO MOVED ON SOME MONTHS AGO. JAY JACKSON OF THE PERSONAL RADIO DIVISION, (202) 634-6619, IS NOW THE EXAM CONTACT. (HRR)

LOW DOWN QRP

THEIR WILL ALWAYS BE SOME HAMS LOOKING FOR NEW FRONTIERS AWAY FROM THE CROWDED BANDS. THEY LOOK TO EXOTIC MODES OF HIGHER AND HIGHER FREQUENCIES. THEY BOUNCE THEIR SIGNALS OFF METEORS OR LISTEN TO THE STARS. IF YOU DO THIS KIND OF THING YOU ARE AN EXPERIMENTER AT HEART. WITHOUT PEOPLE LIKE YOU THERE WOULD BE NO AMATEUR RADIO AS WE KNOWN IT TODAY, THE EXPERIMENTER IS FACED WITH HIGH COSTS ALSO. FORTUNATELY, THERE IS AN ALTERNATIVE, WHICH WILL COST YOU VERY LITTLE, BUT CAN STILL GIVE YOU THE THRILL OF EXPLORING LITTLE KNOWN FREQUENCIES. EVER HEAR OF THE 1750 METER BAND?

ALTHOUGH MANY PEOPLE DON'T KNOW IT, THERE IS ONE COUNTRY IN THE WORLD WHICH ALLOWS UNLICENSED COMMUNICATIONS ON SEVERAL FREQUENCIES, THAT COUNTRY IS THE UNITED STATES OF AMERICA. HOWEVER, PART 15 OF THE FCC REGULATIONS IMPOSES POWER AND OTHER RESTRICTIONS. THE BEST DEAL IS IN THE 1750 METER BAND WHERE THE FOLLOWING RULES APPLY:

OPERATION BETWEEN 160 AND 190 KHZ IS PERMITTED IF THE POWER INPUT TO THE FINAL STAGE OF THE TRANSMITTER (EXCLUSIVE OF FILAMENT) IS NOT GREATER THAN ONE WATT, ALL EMISSIONS OUTSIDE OF THE BAND ARE SUPPRESSED AT LEAST 20 DB BELOW THE UNMODULATED CARRIER, AND THE ANTENNA LENGTH DOES NOT EXCEED 50 FEET (EXCLUDING LOADING COILS AND GROUND RADIALS). IN PLAIN TERMS, THAT MEANS UNRESTRICTED SHORT RANGE COMMUNICATIONS BY ANY MODE AND YOU USE ANY CALL LETTERS YOU WANT (BUT YOU MUST NOT USE YOUR AMATEUR CALLSIGN).

IF YOU DON'T HAVE YOUR NOVICE LICENSE YET YOU CAN USE THE BAND FOR CODE PRACTICE -- UNLESS IT BECOMES A HAM BANDAT WARC - 79. HERE IN NEW ENGLAND THE BAND IS MOST ACTIVE DURING THE WINTER MONTHS ON SATURDAY MORNINGS. DISTANCES OF 100 MILES OR MORE ARE POSSIBLE. IT IS VERY EASY TO BUILD A TRANSMITTER FOR USE AT SUCH LOW FREQUENCIES (SEE KEN CORNELL'S BOOK) AND RECEIVERS OR CONVERTERS ARE READILY AVAILABLE. YOUR HOME-BREW TRANSMITTER SHOUD BEAR THE FOLLOWING DECLARATION: I HAVE CONSTRUCTED THIS DEVICE FOR MY OWN USE. I HAVE TESTED IT AND CERTIFY THAT IT COMPLIES WITH THE APPLICABLE REGULATIONS OF FCC RULES PART 15. A COPY OF MY MEASUREMENTS IS IN MY POSSESSION AND IS AVAILABLE FOR INSPECTION. (ADD YOUR SIGNATURE AND DATE).

PROPAGATION CONDITIONS VARY LITTLE AT LOW FREQUENCIES AND THE BACK-GROUND NOISE IS LEAST DURING THE WINTER. DIMMERS MAY CAUSE UNPLEASANT NOISES. THEREFOR THE ADDITION OF A CW FILTER IS VERY USEFUL WHEN COPYING CODE. YOU WILL ALSO HEAR SOME UNMODULATED CARRIRS ON THE BAND GENERATED BY THE POWER COMPANY OPERATIONS (SEE QST, MARCH 1978, P. 36). HOWEVER, THERE IS STILL PLENTY OF ROOM FOR NEW LOW-FERS (LOW FREQUENCY EXPERIMENTAL RADIO STATIONS). SO DIG INTO THE SPARES BOX FOR AN OLD PENTODE AND RELIVE THE EARLY DAYS OF HAM RADIO. BUT PLEASE TAKE CARE OF AN INCREASED SHOCK HAZARD WHICH IS ASSOCIATED WITH LOW FREQUENCY TRANSMITTERS.

I HOPE TO HEAR YOU ON THE BAND THIS WINTER, AND IF YOU SHOULD HEAR ME SIGNING "ADX", PLEASE GIVE ME A CALL OR MAIL A RECEPTION REPORT.

MOST OF MY INFORMATION COMES FROM THE 1750 COLUMN IN RECENT ISSUES OF THE LOWDOWN, THE MONTHLY PUBLICATION OF THE LONGWAVE CLUB OF AMAERICA, P.O. BOX 33188, GRANADA HILLS, CALIF. 91344. FOR FURTHER INFORMATION SEE KEN CORNELL'S BOOK, THE LOW AND MEDIUM FREQUENCY SCRAPBOOK, AVAILABLE FROM THE HAM RADIO BOOKSTORE, GREENVILLE, N.H. FOR \$6.95..

THANKS TO THE AUTHOR PETE BRADLEY N1ADX AND THE WELLESLEY "SPARKGAP"

SCOTT LOOKHOLDER WB6LHB, PLED GUILTY TO THREE COUNTS OF USING ABUSIVE LANGUAGE OVER THE AIR BEFORE JUDGE LAWRENCE T. LYDIG IN FEDERAL DISTRICT COURT OF LOS ANGLES. THE CHARGES WHICH STEMMED FROM HIS OPERATION AS "W6JAM" ON L.A. REPEATERS OVER THE PAST YEAR OR SO, ARE MISDEMEANORS WITH A MAXIMUM SENTENCE OF A YEAR IN JAIL PLUS A FINE FOR EACH COUNT. SENTENCING HAS BEEN SET FOR FEBRUARY 6TH. TNX N6AHU

**** SWAP AND SHOP ****

FOR SALE - A BRAND NEW LARSEN 5/8 WAVE MAGNETIC MOUNT 2 METER MOBILE ANTENNA. FOR MORE INFORMATION ON THIS TOP OF THE LINE 2 METER MOBILE ANTENNA. CONTACT DICK - WA1HRV AT 655-2366...

WANTED - A GOOD USED TRIBANDER BEAM AND ROTATOR: IF YOU HAVE AN UNUSED BEAM LYING AROUND THE SHACK, NOW IS THE TIME TO TURN IT INTO CASH. CONTACT DICK - WA1HRV AT 655-2366...

FOR SALE - A LAFAYETTE MODEL 146A 2 METER TRANSCEIVER, 30 WATTS HIGH, 1 WATT LOW POWER, 12 CHANNELS, "S" METER, MOBILE MOUNTING BRACKET, CIGARETTE LIGHTER ADAPTER, WITH CRYSTALS FOR 17/79, 315/915, 52 DIRECT, 147.42 DIRECT, 25/85, 07/67, 22/82, 28/88, 04/64, 31/91, 34/94, AND 19/79 INVERT. IN EXCELLENT CONDITION, WITH MANUAL. THE CRYSTALS ALONE ARE WORTH \$120.00 THIS IS A REAL STEAL AT \$150.00 FOR MORE INFORMATION CONTACT LEW, K1AZE AT 879-7456....

FOR SALE - A DRAKE MOBILE POWER SUPPLY DC-4 MODEL, A GREAT WAY TO PUT YOUR RIG IN THE MOBILE MODE, OR AS A SOURCE OF POWER IN THE EVENT OF A POWER FAILURE. IN EXCELLENT CONDITION, CAN'T BE TOLD FROM NEW. FOR MORE INFO CONTACT, ROLLIE AT 653-2072.

FOR SALE - A HENRY 2KW LINEAR AMPLIFIER COVERING 10 THROUGH 80 METERS, THIS AMPLIFIER IS IN EQUAL TO NEW CONDITION. FOR MORE INFO CONTACT DICK AT 879-6404...

FOR SALE - A HALICRAFTER HA6 6 METER TRANSVERTER, ALL BRAND NEW TUBES IN MINT CONDITION, COMPLETE WITH POWER SUPPLY AND CABLES, A REAL CHEAP WAY TO WORK THE FACINATING 6 METER BAND, THE ASKING PRICE IS ONLY \$125.00 FOR MORE INFO CALL DICK AT 879-6404....

FOR SALE - TWO BRAND NEW MILLEN POWER SUPPLYS 550 - 750 D.C. VOLTS. 250 MA CONTINUOUS. HAS 6.3 5 AMP FILAMENT TRANSFORMER. THESE POWER SUPPLYS HAVE A TWO SECTION CHOKE FILTER. RACK MOUNT. IN ORIGINAL WOODEN CRATES. FOR MORE INFO CONTACT JULIE AT 872-5084..

FOR SALE - A 1KW JOHNSON MATCHBOX, ONE OF THE BEST MATCHING NETWORKS AVAILABLE. IN VERY CLEAN CONDITION. \$140.00 FOR MORE INFO CONTACT JULIE AT 872-5084...

FOR SALE - A HEATHKIT ANTENNA MATCHING BALUN. 300 TO 50 OHMS OR TAPINGS CAN BE REVERSED. IN A SPOTLESS CABINET. FOR MORE INFO CONTACT JULIE AT 872-5084...

IF YOU ARE LOOKING FOR THAT RARE TUBE, RESISTOR, CAPACITOR OR OTHER NEEDED COMPONENT, GIVE JULIE A CALL AT 872-5084, HE MAY BE ABLE TO HELP YOU.

FOR SALE - A HEATH 32A 20 METER SINGLEBANDER COMPLETE WITH A/C SUPPLY INCLUDED. THIS RIG IS IN EQUAL TO NEW CONDITION. FOR MORE INFO CONTACT JIM AT 653-3844....

CONFUSION SAY: ALL THOSE IN FAVOR OF SAVING GAS IN 1979 LIFT YOUR RIGHT FOOT.... .